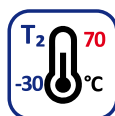
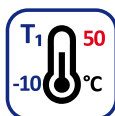


TCEPKPFLEY

ZÁKLADNÉ VLASTNOSTI KÁBLA BASIC CHARACTERISTICS OF THE CABLE

ELEKTRICKÉ / ELECTRIC



NORMY STANDARDS

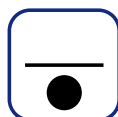
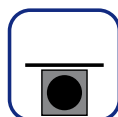
TPEFK 03-01-2004/104+A1

KONŠTRUKCIA KÁBLA CONSTRUCTION OF THE CABLE

- Medený vodič
Copper conductor
- Izolácia z penového+plného polyetylénu (foam-skin)
Insulation layer from foam+solid polyethylene
- Vodoblokujúca vazelína
Water-protecting petroleum jelly
- Obvodová izolácia z nehydroscopickej fólie
Circuit insulation from a no hydroscopic foil
- Tieniaca Al-polymérová folia 100 µm
Aluminum-polymer screening foil 100 µm
- Plášť PE - čierny
PE sheath - black
- PVC plášť - čierny
PVC sheath - black

POUŽITIE KÁBLA

CABLE APPLICATION



Tienený kábel určený na prenos telekomunikačných a dátových signálov v exteriéri (UV stabilný), vhodný na uloženie do zeme v úložnom lôžku s priečnou a pozdĺžnou ochranou proti šíreniu vlhkosti (statický systém ochrany - vodoblokujúca vazelína). Vďaka dvojitému plášťu má zvýšenú mechanickú odolnosť.

Cable with screening for transmission of telecom and data signals in exteriors (UV resistant), suitable for placement in a ground bedding. It contains lateral and longitudinal protection against the spread of moisture (static protection system - water-blocking vaseline). Double outer sheath grants it increased mechanical protection.



Ozna enie k blov – str. 136 – 137 / Cable labeling – page 136 – 137

Farebn  k dy – str. 138 – 143 / Color codes – page 138 – 143

Nomin ln  hr bky pl   a, informatívne priemery a hmotnosti k blov.

Nominal thickness of the sheath, informative diameters and weight of cables.

p	� 0,6 mm			� 0,8 mm		
	t [mm]	d [mm]	m [kg/km]	t [mm]	d [mm]	m [kg/km]
1x4	2,0	11,5	173	2,0	12,4	189
3x4	2,0	14,2	259	2,0	16,3	330
5x4	2,0	16,3	288	2,0	19,4	428
10x4	2,0	19,5	505	2,0	24,1	505
15x4	2,0	22,3	603	2,0	27,0	918
20x4	2,0	24,9	742	2,0	29,9	1 041
25x4	2,0	25,5	803	2,0	34,5	1 249
35x4	2,0	29,1	1 036	2,0	34,9	1 554
50x4	2,0	33,0	1 356	-	-	-

p – po et prvkov (number of components)

t – nomin ln  hr bka pl   a (nominal thickness of the sheath)

d – informatívny priemer k bla nad pl   om (informative diameter of the cable over the sheath)

m – informatívna hmotnos  k bla (informative weight of the cable)

PRENOSOV  PARAMETRE / TRANSMISSION PARAMETERS

Priemer vodi�ov - Diameter of conductors		� 0,4 mm	� 0,6 mm	
Max. odpor elektrickej slu�ky [�/km] – Max. loop resistance [�/km]		133,2	73,6	
Elektrick� odpor vodi�a [�/km] Electrical resistance of the conductor [�/km]	priemer – average	64	35	
	jednotlivo - one	67	37	
Odporov� nerovnov�ha p�ru [%] / Resistance unbalance of a pair [%]		≤ 2	≤ 2	
Prev�dzkov� kapacita p�ru [nF/km] Mutual capacitance [nF/km]	max. stred – max. mid.	42 ¹⁾	42 ¹⁾	
	jednotlivo - one	42 ± 4	42 ± 4	
Kapacitn� nerovnov�ha k ₁ [pF/500m] Capacitance unbalance k ₁ [pF/500m]	95% hodn�t – 95% value	< 150	< 100	
	max. jedn. – max. one	250	160	
Kapacitn� nerovnov�ha k ₉₋₁₂ [pF/500m] Capacitance unbalance k ₉₋₁₂ [pF/500m]	95% hodn�t – 95% value	< 500	< 300	
	max. jedn. – max. one	800	500	
Kapacitn� nerovnov�ha e ₁ – e ₂ [pF/500m] Capacitance unbalance e ₁ – e ₂ [pF/500m]	95% hodn�t – 95% value	< 500	< 300	
	max. jedn. – max. one	800 ²⁾	500 ²⁾	
Maxim�ln� mern� tlmenie [dB/km] Attenuation, max. [dB/km]	0,8 kHz	1	0,75	
	16 kHz	3,8	3	
	150 kHz	7	4,6	
	1 MHz	17,5	12,4	
	2 MHz	22,5	16	
Presluchov� tlmenie na bl�zkom konci [dB/300m] Crosstalk at near-end [dB/300m]	80 kHz	100%	60	61
		90%	64	66
	150 kHz	100%	53	54
		90%	57	59
	1 MHz	100%	40	41
		90%	44	46
2 MHz	100%	35	36	
	90%	39	41	

POZN MKA 1: Plat  len pre 10  tvoriek a viac.

NOTE 1: Valid only for 10 quads and more.

POZN MKA 2: Pre konštrukciu 1x4 je maxim ln  hodnota 1700 pF/500m.

NOTE 2: For the construction 1x4 is the maximum value 1700 pF/500m.